CITY OF SAINT LOUIS PARK

October 31, 1984

Mr. Dale Wikre
Minnesota Pollution Control Agency
1935 W. County Rd. B-2
Roseville, MN 55113

Dear Mr. Wikre:

Please find attached a document that indicates the commitment of the City of St. Louis Park to the implementation of the Response Action Plan (RAP). The document is in the form of a matrix that closely parallels the RAP drafted by the Minnesota Pollution Control Agency (MPCA) on October 18, 1984. It is the City's intention to describe the areas of responsibility to which we would commit if the RAP is implemented in the near future.

The definitions used in the State's Consent Decree and the RAP will correspond to the terms used in the matrix. The RAP contains a more complete description of each of the work tasks shown on the matrix. Each of the sub-topics within the matrix is intended to be a summary of those contained in the RAP. The cost estimates are based upon 1984 dollars. When attempting to estimate the cost attributable to Reilly vs. the City, inflation factors of approximately three percent per year should be added to the 1984 cost estimate.

There are additional comments that should be mentioned within the context of the City's commitment. These are covered in the matrix and must be considered during the negotiation sessions. These comments are not listed in any special priority:

1. During Reilly's period of responsibility, the City would be willing to enter into a contract for the sampling and measuring of appropriate wells. The samples would be submitted to Reilly's laboratory or any laboratory of Reilly's designation. Reilly would be responsible for reimbursing the City for its costs during these periods.

2. The City will assemble and submit all the required reports to the State for Reilly at Reilly's cost during its period of responsibility. An appropriate draft and re-draft process could be developed prior to any submittal to the State in accordance

with the designated time deadlines.

3. The City is currently proposing to plan, design and construct one or two wells in the Jordan aquifer that can be used for gradient control purposes. These wells, instead of being pumped directly into the sewer system, will be used by Methodist Hospital and Control Data and other users as they become available. Contained in the matrix is a division of responsibility for the construction and operation of these wells. The City recognizes this as an opportunity to begin the development of a gradient control system. It is clear that Reilly should participate in this cost.

4. During the implementation of the RAP, the City will assist Reilly, at no cost, in obtaining the permits and licenses to implement the RAP (i.e., MPDES Permit, NWCC License, MD & R License, etc.).

5. The City is willing to enter into an agreement with Reilly to oversee the operations of consultants and/or contractors during the implementation of the "Reilly responsible" portion of the RAP. The costs of City involvement would be reimbursed to the City by Reilly.

During future negotiation sessions concerning the Consent Decree and the Response Action Plan, the City wishes to take the posture of a facilitator in the implementation of the RAP. A great deal of time has been spent in meetings, study sessions, lawyer's offices and courtrooms up to this time. It is more important that future energies be spent in the field of implementation. The City is committed to a spirit of cooperationin an effort to solve the water contamination issue.

Sincerely,

James L. Brimeyer

James L. Brimeyer
City Manager

cc: Carl Lusher
City Council

PROJECT	PURPOSE	1984 COST EST.	TIME PERIOD	BUDGET REILLY	BUDGET CITY	IMPLEMENTATION COMMENTS
1. Granular Carbon Plant	a. Design engineering-to prepare detail plans, bid specifications and advertisement for bids	10000.00	1985	100% (thru past costs)	0%	Design activity, CH2M Hill already engaged by MPCA to do this task; approximately 50% complete.
	b. Construction of carbon plant-inspection, construction and start up of the plan for Wells 10 and 15	500000.00	1985	100%	0%	City inspection and State inspection costs included in $500K
	c. Plant evaluation-during the first 30 days of operation intensive evaluation and reporting	10000.00	1985	100%	0%	
	d. Plant monitoring-during the operation of the plant continual tests must be taken	9000.00 8000.00 3000.00	1985 1986-1989 1990-2010	100% 100% 0%	0% 0% 100%	City staff will sample with testing done by an outside lab selected by quality assurance merits on annual basis.
	e. Operation and maintenance included years (est.)	15000.00 33000.00	1985 1990-2010	100% 0%	0% 100%	Carbon replacement will be by vendor. staff are not included in the 33K but carbon replacement is. Electrical energy and other costs are included.
2. Mt. Simon Hinckley Aquifer	a. An annual monitoring program for SLP well nos. 11, 12, 13 and 17	1000.00	1985-1994 1995-2010	100% 0%	0% 100%	City staff will handle sampling with help of a private laboratory in testing.
3. Ironton-Galesville Aquifer	a. Reconstruct W105 as a monitoring well after exploring its total depth for contamination by a 4" boring	60000.00	1985	100%	0%	Engineering consultant and well driller would be hired for this project under Reilly's direction.
	b. Monitoring program and water level measurements for W105 and W38	500.00	1985-1994 1995-2010	100% 0%	0% 100%	Lab necessary for tests, City staff can monitor the wells.
4. Prairie DuChein-Jordan Aquifer	a. Reconstruct W23 as a pumping well of 50 gpm	30000.00	1985	100%	0%	Same consultant and contractor as on W105 above.
	b. O&M for W23 (assume 25 yrs.)	12000.00	1985-1994	100%	0%	
	c. Construct Well #4 to discharge to the storm sewer	10000.00	1985	100%	0%	Engineering Department staff can do the design. Contractor can do the work.
	d. O&M on Well #4	25000.00 25000.00	1985-1994 1995-2010	100% 0%	0% 100%	
	e. Methodist Hospital/Control Data well & piping to manage gradient control effluent.	250000.00	1985	100%	0%	

		f. Well 70A construction to help manage the gradient control well effluent	150000.00	1986	100%	0%	
		g. O&M on the new gradient control well(s)	30000.00	1985-2010	0%	100%	One new staff person in the W&S Dept. will work and stay on top of all reports.
5.	St. Peter Aquifer	a. Construction of 5 new monitoring wells	50000.00	1985	100%	0%	Contractor shall build the wells. City inspection (minimal).
		b. Annual monitoring and water measurements of the 5 new wells plus SLP 3, and W33, W133, W129, W122, P116 as directed in the RAP.	4000.00 4000.00	1985-1989 1990-2010	100% 0%	0% 100%	
6.	Drift Aquifer	a. Design of G/C and monitoring plan (see p. 27 & 29)	25000.00	1985	100%	0%	Engineering Consultant to be retained.
		b. Construction of G/C $60,000 system	60000.00	1986	100%	0%	
		c. O & M of G/C system	30000.00 30000.00	1987-1996 1997-2010	100% 0%	0% 100%	O & M under direction of City staff.
		d. New monitoring wells	40000.00	1986	100%	0%	
		e. Monitoring of effluent	5000.00	1987-1996 1996-2010	100% 0%	0% 100%	
7.	Leaking Multi Aquifer Wells	a. Investigation of seven multi-aquifer wells	25000.00	1986	100%	0%	Engineering Consultant will be retained to do this study.
		b. Well closure, misc. Assume 1 well	20000.00	1987	100%	0%	Well drilling contractor under City direction (MDH).
		c. Investigation of additional multi-aquifer wells	20000.00	1988	100%	0%	Engineering Consultant should be retained.
		d. Closure of wells listed in 7c	15000.00	1989	100%	0%	Well drilling contractor under City inspection with MDH.
8.	Near Surface	a. Borings south of the site for possible deed restrictions and report	50000.00	1986	100%	0%	City staff in conjunction with the MPCA can complete this step.
		b. Deed restrictions	1000.00	1987	0%	100%	City staff can complete at no cost.
		c. Louisiana Ave./TH 7 intersection - dewatering and filling	24000.00	1988	100%	0%	City will handle this task during the intersection construction.
9.	Contingencies	(Worst case scenario)					
		a. Mt. Simon Hinckley GAC plant construction	500000.00	YEAR 40-65 2025-2050	100%	0%	Consultant & Contractor
		b. O & M for plant operation and monitoring $33K and $3K	36000.00	2025-2050	0%	100%	(See 10j)

c.	Prairie DuChien-Jordan Additional G/C Wells	24000.00	1995-2005	0%	100%	(See 10j)
d.	O zone treatment at SLP and W48	3100000.00	2035	100%	0%	
e.	O & M on 10d	30000.00	2035-2060	0%	100%	
f.	St. Peter G/C System	80000.00	2011	0%	100%	(see 10j)
g.	O & M monitoring on 10f	4000.00	2011-2035	0%	100%	(see 10j)
h.	Drift Aquifer additional G/C System	67000.00	2011	100%	0%	
i.	O&M monitoring of 10h	7000.00	2011-2035	0%	100%	
j.	Multi-aquifer well closure additional closures due to contamination	25000.00	2011	100%	0%	No additional staffing is shown based on the low probability of occurrence.